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Full distributed fiber optical sensor for intrusion detection in application to buried pipelines

- Chinese Optics Letters, Vol. 3 Issue 11, pp.633-635 (2005)
- Gao, Jianzhong; Jiang, Zhuangde; Zhao, Yulong; Zhu, Li; Zhao, Guoxian
- Based on the microbend effect of optical fiber, a distributed sensor for real-time continuous monitoring of intrusion in application to buried pipelines is proposed. The sensing...

Analysis of Aqueous Solutions by Laser-Induced Breakdown Spectroscopy of Ion Exchange Membranes

- Applied Spectroscopy, Vol. 56 Issue 3, pp.370-374 (2002)
- Schmidt, Norman E; Goode, Scott R
- Elemental analysis of solutions can be achieved by concentrating and immobilizing the metal ions into a commercially available ion exchange polymer membrane followed by laser-induced...

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- A portable instrument, based on laser-induced breakdown spectroscopy (LIBS), has been developed for the detection of metal contaminants on surfaces. The instrument has a weight of...

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